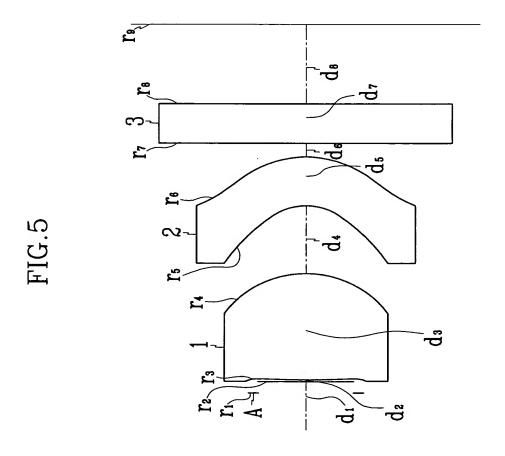
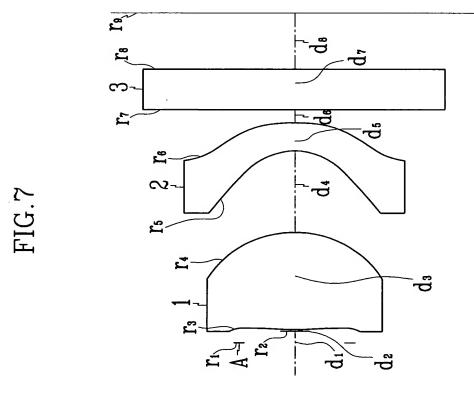


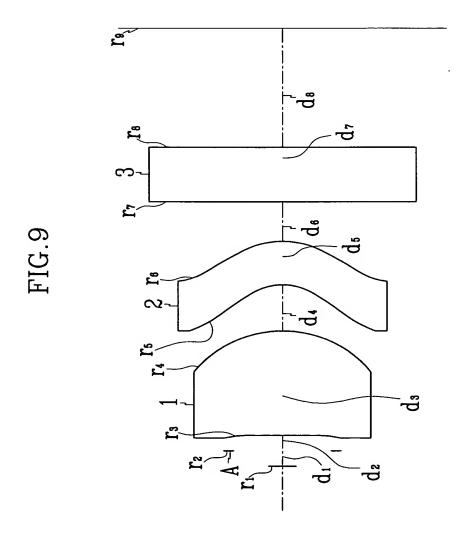
DISTORTION ABERRATION -5.0 -2.5 0.0 2.5 IMG HT 0.56 1.68 1.12 DISTORTION(%) -0.200 -0.100 0.0 0.100 0.200 ASTIGMATISM T IMG HT T 2.24 FIG.4 1.12 FOCUS (mm) -0.200 -0.100 0.0 0.100 0.200 SPHERICAL ABERRATION 0.75 0.25 FOCUS (mm) 0.50



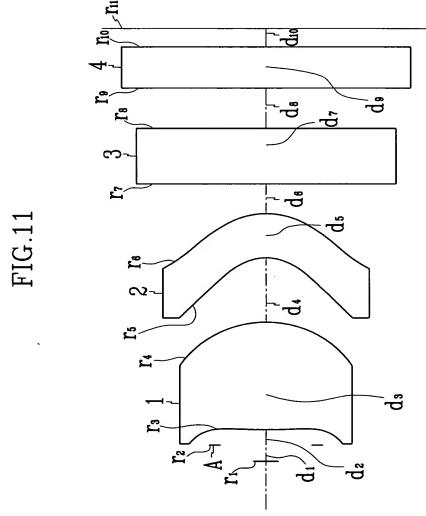
Distortion aberration imc ht $_{
m I}$ 2.24 -5.0 -2.5 0.0 2.5 0.56 1.68 1.12 DISTORTION(%) -0.200 -0.100 0.0 0.100 0.200 FOCUS (mm) ASTIGMATISM IMG HT 1.68 FIG.6 -0.200 -0.100 0.0 0.100 0.200 SPHERICAL ABERRATION FOCUS (mm) 0.50 0.25 0.75

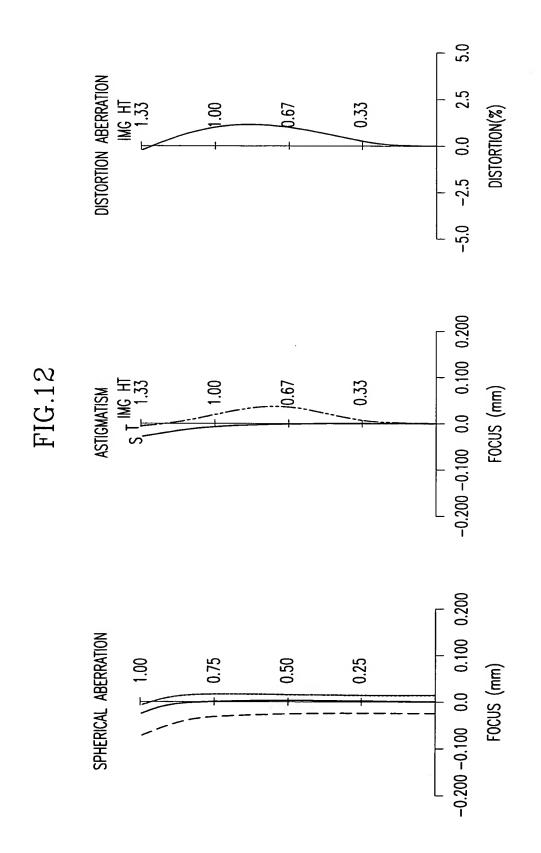


DISTORTION ABERRATION -5.0 -2.5 0.0 2.5 1.68 1.12).56 DISTORTION(%) -0.200 -0.100 0.0 0.100 0.200 FOCUS (mm) FIG.8 1.12 0.56 .68 ASTIGMATISM -0.200 -0.100 0.0 0.100 0.200 SPHERICAL ABERRATION FOCUS (mm) 0.25



DISTORTION ABERRATION -5.0 -2.5 0.0 2.5 IMG HT r 1.52 0.38 1.14 0.76 DISTORTION(%) -0.200 -0.100 0.0 0.100 0.200 FOCUS (mm) FIG.10 ASTIGMATISM S TIMG HT 0.38 0.76 -0.200 -0.100 0.0 0.100 0.200 SPHERICAL ABERRATION FOCUS (mm) 0.50 0.25





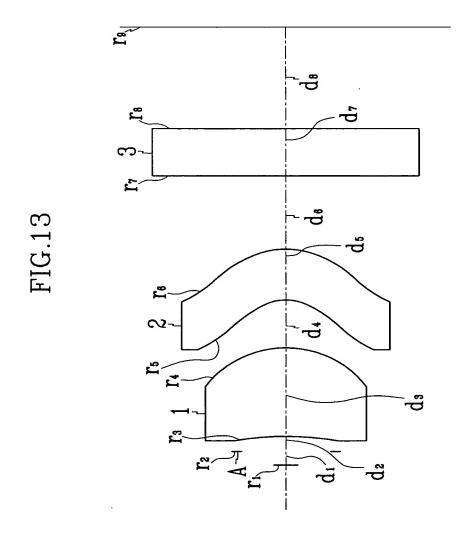


FIG.14

